

**Penn State/PDMP Corn Silage Hybrid Testing Program 2018**  
**Medium-Late maturity (110-119) day RM silage hybrids in (Landisville) PA**  
**(Lancaster) County location**



Notes: SEE BACKGROUND TAB  
 Cooperator: Landisville Research Station

Brand	Hybrid	Traits*	Dry Matter					Yield				Starch				NDFD			uNDF	Pop. plants/ac	Relative Maturity
			Matter %**	Tons/Acre***	CP %	NDF %	Lignin %	NIR %	Ash %	Fat <sup>2</sup> %	NEL Mcal/lb	30hr %NDF	120hr %NDF	240hr %NDF	240hr %NDF						
<b>Medium Late (110-115 Day) RM Silage Hybrids</b>																					
Syngenta	NK1573-3110	4	38.05	14.97	7.45	34.73	2.64	38.93	3.19	3.2	0.79	58.6	65.3	70.7	29.3	32,833	115				
Local Seed Co.	LC1349 S5XRIB	32	37.9	16.4	7.8	31.0	2.3	41.3	2.7	3.1	0.81	60.1	67.9	69.4	30.6	31,333	113				
Growmark FS	FS 65R87VT2P	30	37.0	15.6	7.9	31.5	2.6	42.4	2.8	3.3	0.80	58.5	65.7	67.5	32.5	32,167	115				
Dekalb	DKC62-20RIB	30	36.7	15.2	7.5	36.4	2.6	36.8	2.9	2.8	0.78	59.5	68.5	69.9	30.1	34,000	112				
CPS Dynagro	D52VC63	30	36.6	15.2	7.6	35.9	2.4	37.4	2.6	2.9	0.79	62.0	68.7	70.1	29.9	33,167	112				
Local Seed Co.	LS1497	Conv.	36.5	16.2	7.3	36.0	2.3	38.0	3.0	2.7	0.78	61.0	71.5	73.1	26.9	34,000	114				
Growmark FS	FS 62R43VT2P	30	36.2	14.1	7.9	36.4	2.4	38.0	2.8	3.0	0.78	61.4	70.1	69.7	30.3	32,833	112				
Augusta	Augusta 1165	30	36.1	16.2	7.5	35.9	2.4	36.8	2.5	3.0	0.79	61.8	68.9	70.3	29.7	33,500	115				
Growmark FS	FS 63R85SS	32	36.0	15.3	8.0	36.5	2.6	36.1	2.9	2.8	0.78	61.6	69.0	70.4	29.6	32,500	113				
Prairie Hybrids	7387	Conv.	35.7	13.3	8.0	36.4	2.4	35.3	2.9	2.9	0.78	62.2	69.9	71.4	28.6	34,000	112				
Prairie Hybrids	8759	Conv.	35.4	16.6	7.5	35.5	2.4	37.0	3.0	2.7	0.78	60.9	69.5	71.0	29.0	34,000	114				
Dupont Pioneer	P1422AMXT	26	35.3	13.0	8.3	36.2	2.5	38.3	3.1	2.7	0.78	62.4	71.8	73.4	26.6	33,333	114				
Hubner	H6755RCSS	32	35.3	16.1	7.7	33.4	2.2	39.0	2.8	2.9	0.80	62.7	71.3	72.9	27.1	33,167	114				
Dupont Pioneer	P1442AM	26	35.1	16.4	8.6	34.1	2.5	37.3	3.1	3.2	0.79	59.9	68.1	69.5	30.5	33,167	114				
Augusta	Augusta 5065	5	35.1	18.1	8.4	34.9	2.6	36.3	2.8	2.8	0.78	60.0	66.8	68.2	31.8	33,167	115				
Masters Choice	MCT6363	3	34.8	14.0	7.8	35.0	2.5	35.2	2.7	3.2	0.79	60.9	67.5	68.9	31.1	32,333	113				
Doebler's PA Hybrids	5518AM	20	34.7	16.0	8.0	36.9	2.5	34.4	2.9	2.7	0.78	62.5	70.6	72.2	27.8	31,833	115				
Mid-Atlantic	MA8159	32	34.6	15.4	7.8	38.0	2.6	33.6	3.2	2.7	0.77	60.3	69.2	70.7	29.3	34,000	115				
Dekalb	DKC62-53RIB	30	34.5	14.2	8.1	33.4	2.4	39.1	2.7	3.2	0.80	61.1	67.7	69.3	30.7	34,000	112				
Syngenta	NK1263-3220A	8	34.5	14.1	8.5	32.7	2.4	37.9	3.3	3.0	0.80	59.6	68.0	67.2	32.8	33,500	112				
Hubner	H6663RCSP	32	34.5	16.3	7.5	33.6	2.5	39.1	2.9	3.2	0.79	59.0	67.3	68.8	31.2	33,333	113				
Augusta	Augusta 1064	Conv.	34.5	16.7	7.2	38.8	2.7	34.8	3.1	2.5	0.76	59.1	67.8	69.2	30.8	33,500	114				
Agrigold	A6652TXRIB	32	34.5	16.2	7.5	36.4	2.5	37.0	2.8	2.7	0.78	59.6	68.4	69.9	30.1	32,500	115				
Doebler's PA Hybrids	5818AM	20	34.4	14.3	8.2	37.7	2.8	33.5	3.2	2.8	0.77	59.5	67.7	69.1	30.9	33,167	115				
Syngenta	NK1452-3120	6	34.2	14.7	7.3	34.9	2.4	37.8	3.1	3.0	0.79	60.2	69.5	71.1	28.9	33,333	114				
Dekalb	DKC64-35RIB	30	34.1	14.4	7.9	38.1	2.7	33.4	3.1	2.9	0.77	60.2	67.1	68.5	31.5	32,833	114				
Dupont Pioneer	P1847AML	23	34.0	17.2	8.0	34.8	2.5	37.2	2.8	2.9	0.79	60.4	68.5	70.0	30.0	32,500	115				
Seedway	SW7560	32	34.0	15.3	7.6	36.5	2.9	35.4	3.0	3.1	0.78	57.4	64.7	66.2	33.8	32,833	115				
Syngenta	NK1284-3220	8	33.7	14.5	7.6	37.3	2.7	35.8	3.2	2.7	0.77	58.1	67.6	69.1	30.9	33,333	112				
Agrigold	A641-785TXRIB	32	33.1	14.5	7.7	38.2	2.9	33.5	3.2	2.8	0.76	56.6	65.9	67.3	32.7	33,000	111				
Mycogen	TMF2H747	32	33.0	15.0	7.5	35.4	2.4	37.2	2.7	2.8	0.78	61.4	69.8	71.3	28.7	32,667	113				
Seedway	SW7000	Conv.	33.0	16.5	7.5	36.1	2.7	38.4	3.0	2.7	0.77	58.5	67.3	68.7	31.3	32,500	114				
Agrigold	A641-06STX	32	32.9	15.5	8.0	37.9	2.5	33.4	2.8	2.7	0.78	62.6	70.1	71.6	28.4	34,000	111				
Augusta	Augusta 1564	3	32.8	13.8	7.9	39.7	2.8	30.8	3.1	2.5	0.76	59.2	66.6	68.0	32.0	33,500	114				
Mid-Atlantic	MA8150	31	32.7	14.8	7.8	37.1	2.5	33.9	3.2	2.8	0.77	61.2	69.8	71.3	28.7	32,500	115				
Hubner	H6624RCSS	32	32.1	14.3	8.3	36.1	2.5	34.7	3.2	3.0	0.78	62.1	69.1	70.5	29.5	34,000	112				
Masters Choice	MCT6552	4	31.8	13.0	8.3	34.0	2.5	36.5	3.2	2.9	0.79	59.7	67.0	68.3	31.7	32,333	115				
Agrigold	A6573VT2RIB	30	31.8	14.9	8.0	36.1	2.6	34.9	3.2	2.9	0.78	59.7	68.7	70.2	29.8	34,000	114				
Doebler's PA Hybrids	5018AM	20	31.3	13.6	7.9	39.1	2.5	30.9	3.1	2.6	0.77	62.7	71.1	72.5	27.5	33,667	110				
Seedway	SW6999	3	30.9	14.5	7.9	41.8	2.8	30.4	3.2	2.7	0.75	60.5	69.0	70.4	29.6	32,833	114				
Mycogen	TMF14R77	32	29.8	16.8	7.6	38.9	2.8	31.9	3.1	2.6	0.76	58.9	67.4	68.9	31.2	34,000	114				
Augusta	Augusta 5663	3	29.5	12.6	8.3	41.0	2.9	28.4	3.6	2.7	0.75	59.1	66.9	68.3	31.7	34,000	113				
<b>110-115 Day Means</b>			<b>34.3</b>	<b>15.1</b>	<b>7.8</b>	<b>36.2</b>	<b>2.6</b>	<b>35.9</b>	<b>3.0</b>	<b>2.9</b>	<b>0.78</b>	<b>60.3</b>	<b>68.4</b>	<b>69.9</b>	<b>30.1</b>	<b>33,171</b>					
<b>Late (116-119) RM Silage Hybrids</b>																					
Mid-Atlantic	MA8163	32.0	36.9	16.4	8.0	31.3	2.3	41.7	2.6	3.3	0.81	61.3	68.4	69.8	30.2	31,333	116				
Dekalb	DKC67-44RIB	30.0	35.6	15.2	7.7	36.9	2.7	35.5	2.8	2.9	0.78	59.5	66.6	67.9	32.1	34,000	117				
Agrigold	A646-125TXRIB	32.0	34.7	15.6	8.0	33.6	2.5	38.5	2.8	3.1	0.8	60.0	66.9	68.4	31.6	32,667	116				
Masters Choice	MCT6653	3.0	34.1	17.0	8.1	36.2	2.7	33.9	3.4	2.7	0.77	60.1	67.1	68.5	31.5	32,833	116				
Chemgro	Chemgro 7795V4Z	8.0	33.8	15.8	7.8	36.4	2.5	34.1	2.9	2.4	0.77	61.7	69.6	71.2	28.8	34,000	117				
Channel	219-775TXRIB	32.0	33.6	16.5	7.8	35.7	2.4	35.3	3.0	2.7	0.78	61.2	68.7	70.1	29.9	31,500	119				
Chemgro	Chemgro 7789RSX	32.0	33.1	14.3	8.6	36.8	2.6	33.4	3.0	3.1	0.78	61.6	67.9	69.3	30.7	32,500	117				
Dekalb	DKC66-40RIB	32.0	32.8	15.7	7.8	34.6	2.5	37.2	3.0	3.0	0.79	59.2	67.7	69.1	30.9	34,000	116				
Augusta	Augusta 7768	4.0	32.7	17.4	8.5	36.2	2.5	32.3	3.1	2.7	0.78	61.5	68.4	70.1	29.9	32,833	118				
Augusta	Augusta 5566	5.0	31.6	16.4	8.2	37.5	2.6	32.1	3.2	2.5	0.76	60.6	67.8	69.2	30.8	33,167	116				
Syngenta	NK1808-3111	5.0	31.5	14.6	8.1	37.5	2.7	31.7	2.9	2.7	0.77	60.4	66.1	67.5	32.5	34,000	118				
Augusta	Augusta 1367	8.0	31.3	16.0	8.2	38.4	2.8	30.5	3.2	2.4	0.76	59.2	67.4	68.8	31.2	32,667	117				
Chemgro	Chemgro 7658G3	3.0	31.1	14.1	8.4	41.8	2.7	28.0	3.3	2.6	0.75	62.1	69.6	71.0	29.0	34,000	116				
Seedway	SW8009	4.0	30.9	13.7	8.4	40.5	2.8	28.8	3.2	2.6	0.75	60.5	68.3	69.7	30.3	31,333	117				
Mycogen	TMF16S87	32.0	27.4	15.3	7.9	38.2	2.7	30.3	3.2	2.7	0.76	57.8	65.6	66.9	33.1	33,333	116				
<b>116-119 Day Means</b>			<b>32.7</b>	<b>15.6</b>	<b>8.1</b>	<b>36.8</b>	<b>2.6</b>	<b>33.5</b>	<b>3.0</b>	<b>2.8</b>	<b>0.774</b>	<b>60.5</b>	<b>67.7</b>	<b>69.2</b>	<b>30.8</b>	<b>32,944</b>					
<b>Overall Mean</b>			<b>33.9</b>	<b>15.26</b>	<b>7.91</b>	<b>36.35</b>	<b>2.57</b>	<b>35</b>	<b>3.0</b>	<b>2.8</b>	<b>0.78</b>	<b>60.3</b>	<b>68.2</b>	<b>69.7</b>	<b>30.31</b>	<b>33111.1</b>					
<b>LSD(0.1)</b>			<b>3.0</b>	<b>2.6</b>	<b>0.6</b>	<b>3.9</b>	<b>0.4</b>	<b>5.2</b>	<b>0.4</b>	<b>0.3</b>	<b>0.02</b>	<b>2.98</b>	<b>2.82</b>	<b>3.08</b>	<b>3.08</b>	<b>1,622</b>					
<b>CV%</b>			<b>6.6</b>	<b>12.3</b>	<b>5.4</b>	<b>7.9</b>	<b>10.2</b>	<b>10.9</b>	<b>9.0</b>	<b>7.4</b>	<b>2.35</b>	<b>3.65</b>	<b>3.05</b>	<b>3.26</b>	<b>7.51</b>	<b>4</b>					

\* See tab " Trait Key " for individual trait designation.  
 \*\*Tables are sorted by dry matter. Avoid making comparisons with hybrids that differ significantly in dry matter.  
 \*\*\* Silage yields are expressed on a 35 percent DM basis; all other parameters are expressed on a dry matter basis. CP=crude protein, NDF= neutral detergent fiber, NEL=net energy for lactation, and NDFD=neutral detergent fiber digestibility.  
<sup>1</sup> - NS = Not Significant, <sup>2</sup> - Fat = Total Fatty Acids  
 Prepared by Greg Roth, Jessica Williamson, Alan Cook, James Breining (Department of Plant Science).